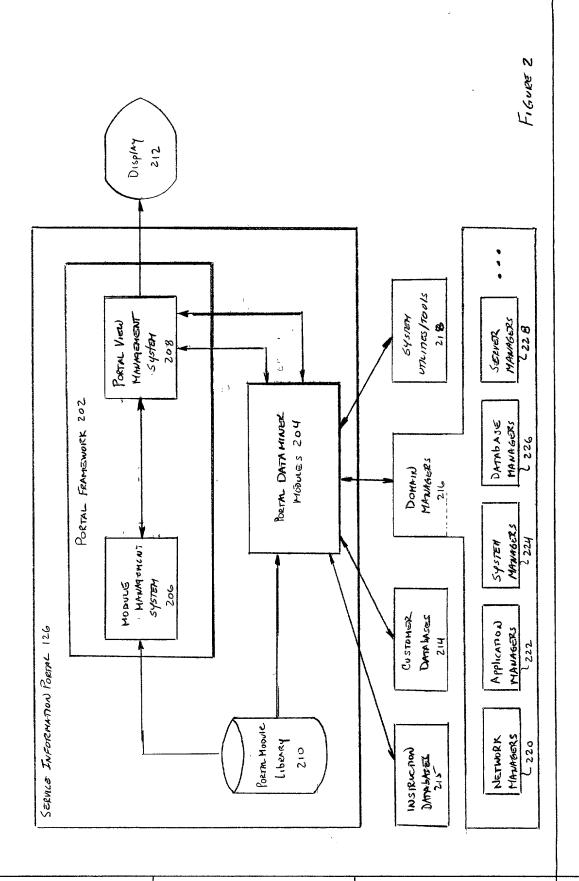
1

٠,



22-141 50 SHEETS 22-142 100 SHEETS 22-144 200 SHEETS

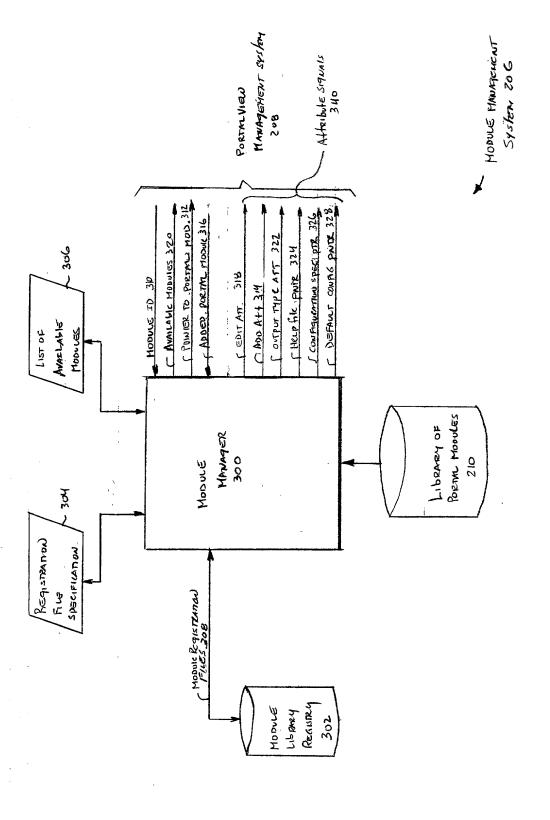


Figure 3A



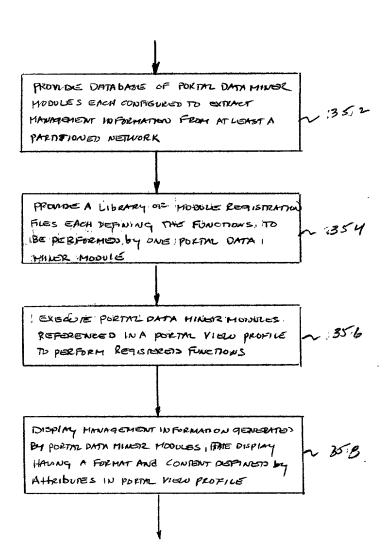


FIGURE 3B

Module Registration File Specification 400

```
<!-- OVModuleRegistration.dtd -->
   <!-- Copyright (c) 2000 Hewlett-Packard
2
                                                      HEADER DATA
   Company -->
                                                         402
   <!-- $Revision: /main/BACCHUS/8 $ -->
   <!-- $Date: 2001/03/15 00:13 UTC $ -->
5
                                                         404
   <!ELEMENT ModuleRegistration EMPTY>
8
   <!ATTLIST ModuleRegistration
9
10
          vendorName
                                 CDATA #IMPLIED
11
          vendorURL
                                 CDATA #IMPLIED
12
          description
                                 CDATA #IMPLIED
          version
13
                                 CDATA #IMPLIED
14
          category
                                 CDATA "General"
15
          title
                                 CDATA #IMPLIED
                                                        ATTIBUTE
16
          classid
                                 ID
                                        #REQUIRED
                                                         LIST 406
          implementation
17
                                 CDATA #REQUIRED
18
          outputType
19
    (narrow|NARROW|wide|WIDE|any|ANY) "narrow"
20
          add
21
    (1|0|YES|yes|NO|no) "no"
22
          edit
23
    (1|0|YES|yes|NO|no) "no"
24
          help
                                 CDATA #IMPLIED
25
          configDTD
                                 CDATA #IMPLIED
          defaultConfigXML
26
                                 CDATA #IMPLIED >
```

NETWORK HEALTH
MODULE REGISTRATION FIE
500

```
<?xml version="1.0" standalone="no"?>
1
    <!DOCTYPE ModuleRegistration SYSTEM</pre>
3
    "OVModuleRegistration.dtd">
4
   <ModuleRegistration
5
        vendorName
                     ="Hewlett-Packard
                      Company"
6
7
        vendorURL
                     ="http://www.
                      openview.hp.com"
9
        description ="HP OpenView SIP Network
10
                      Device Health Module"
                     ="2.0"
        version
11
                     ="NNM"
12
        category
                     ="Network Device
13
        title
                      Health"
14
15
        classid
                     ="com.hp.ov.portal.
                      modules.health"
16
17
        implementation
                     ="/servlet/com.hp.ov.
18
19
                      portal.modules.health.
20
                       HealthServlet"
21
                      ="narrow"
        outputType
22
        add
                      ="yes"
23
        edit
                     ="yes"
                     ="/OvSipDocs/C/help/
24
        help
                      NNM/healthView.html"
25
        configDTD
                      ="OVNetworkHealth.dtd"
26
        defaultConfigXML
27
28
                       ="defaults/
29
                        OVDefaultNetHealth.
30
                        xml"
31
    />
```

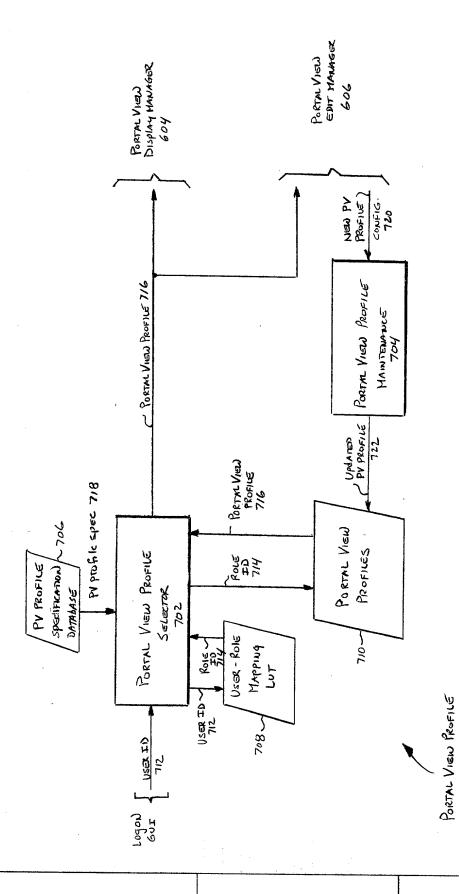


FIGURE 7

HANAGOR 602





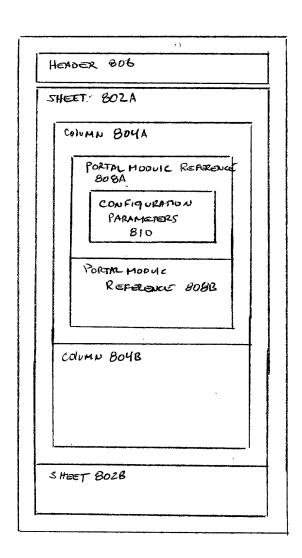


FIGURE 8

NETWOICK HEALTH POLETAL VIEW PROFILE SPECIFICATION 900

```
<!-- OVNetworkHealth.dtd
1
2
   <!-- Copyright (c) 2000 Hewlett-Packard
                                                      HEADER2
                                                       902
   Company
4
    <!-- $Revision: /main/BACCHUS/7 $
5
   <!-- $Date: 2001/04/11 20:41 UTC $
   <!--
6
    <!ELEMENT NetworkHealth (Summary+)>
7
                                                     NETWORK HEALTH
8
   <!ATTLIST NetworkHealth
                                                      ELEHENTS PEC.
9
        showRawData
                       (yes|no|YES|NO|1|0)
                                                         904
10
        showUnknown
                      (yes|no|YES|NO|1|0)
11
12
   <!ELEMENT Summary (Component+,
14 (
    (NodeSelection | InterfaceSelection))>
                                                      SUMMARY EICHENT
                                                      SPEC. 906
15
    <!ATTLIST Summary
16
        id
                   CDATA #REQUIRED
17
        title
                      CDATA #REQUIRED
        display
18
                       (yes|no|YES|NO|1|0) "yes"
19
        displayDepth (1|2|3) "3"
20
```

FIGURE 10%
FIGURE 10B
FIGURE 10C
FIGURE 100
F16 0 RE 10 E
FIGURE 10F
FIGURE 10G

FIGURE 10

```
<?xml version="1.0" encoding="UTF-8"?>
1
                                                           HEADER 1002
   <!DOCTYPE PortalView SYSTEM</pre>
   "../PortalView.dtd">
    <PortalView</pre>
   colorScheme="/OvSipDocs/styles/default.css"
                                                            PORTAL VIEW
                                                           WINDOW
    defaultSheetID="NetworkSheet"
6
                                                            ATTRIBUTES
   refreshRate="5000" showDateTime="yes"
7
                                                              1004
    showUserName="yes" userName="Any User">
8
       <Sheet id="NetworkSheet" title="Network">
9
           <Column width="narrow">
10
              <ModuleInstance
11
    classid="com.hp.ov.portal.modules.health"
                                                            PORTAL HODULE
12
                                                            REFERENCE
13
    display="yes" id="NetworkHealth"
                                                             1006A
14
    rollupState="down">
15
                 <NetworkHealth showRawData="no"</pre>
   showUnknown="no">
16
17
                     <Summary display="no"
    displayDepth="3" id="InterfaceHealth"
18
19
    title="Interface Health">
20
                        <Component href="#IfStatus"</pre>
21
   vital="yes" weight="2"/>
22
                        <Component href="#IfUtil"</pre>
23
   vital="no" weight="1"/>
24
                        <Component href="#IfInErrors"</pre>
    vital="no" weight="1"/>
25
26
                        <Component
27
   href="#IfOutErrors" vital="no" weight="1"/>
28
                        <InterfaceSelection</pre>
29
    id="AllInterfaces" op="AND" title="All
30
    Interfaces"/>
31
                     </Summary>
```

PORTAL VIEW PROFILE

```
PORTAL MODULE
32
                    <Summary display="yes"
                                                          REFERENCE
33
   displayDepth="3" id="RouterHealth"
                                                           1006A
34
   title="Router Health">
                                                           (CONIT)
35
                       <Component href="#IfHealth"
36
    vital="no" weight="1"/>
37
                       <Component
38
   href="#CiscoCpuUtil" vital="no" weight="1"/>
39
                       <NodeSelection id="Routers"
    op="AND" title="Routers">
40
41 l
                           <CapabilityFilter op="OR">
42
                              <Capability
43
    field="isRouter" value="true"/>
44
                           </CapabilityFilter>
45
                       </NodeSelection>
46
                    </Summary>
47
                    <Summary display="no"
   displayDepth="3" id="KeyDeviceHealth"
48
49
   title="Key Device Health">
50
                       <Component href="#IfHealth"</pre>
51
   vital="no" weight="1"/>
52
                       <NodeSelection
   id="KeyDevices" op="AND" title="Key Devices">
53
54
                           <CapabilityFilter op="OR">
55
                              <Capability
56
   field="isKeyDevice" value="true"/>
57
                           </CapabilityFilter>
58
                       </NodeSelection>
59
                    </Summary>
```

PORTAL VIEW PROFILE

```
60
                    <Summary display="no"
   displayDepth="3" id="CPEHealth" title="CPE
62
   Health">
63
                        <Component href="#IfHealth"</pre>
64
   vital="no" weight="1"/>
                                                            PORTAL MODULC
65
                       <NodeSelection id="CPE"
                                                            REFERENCE
   op="AND" title="Customer Premise Equipment">
66 1
                                                            10061
67
                           <CapabilityFilter op="OR">
                                                            (CONIT)
68
                              <Capability
69
   field="isCPE" value="true"/>
70
                           </CapabilityFilter>
71
                        </NodeSelection>
72
                    </Summary>
73
                    <Summary display="no"
    displayDepth="3" id="ServerHealth"
74
75
   title="Server Health">
76
                        <Component href="#IfHealth"</pre>
77
   vital="no" weight="1"/>
78
                       <NodeSelection id="Servers"</pre>
   op="AND" title="Servers">
79
80
                           <CapabilityFilter op="OR">
81
                              <Capability
82
    field="isServer" value="true"/>
83
                           </CapabilityFilter>
84
                       </NodeSelection>
85
                    </Summary>
86
                 </NetworkHealth>
87
              </ModuleInstance>
```

```
PORTAL VIEW PROFILE
88
               < ModuleInstance
                                                            PORTAL MODULE
89 | classid="com.hp.ov.portal.modules.bookmarks"
                                                            REFERENCE
    display="yes" id="BookmarksModule"
                                                             1006B
91
    rollupState="down">
92
                  <Bookmarks>
93
                     <Entry href="http://www.hp.com"</pre>
94
    target="bookmarkwin" title="HP Primary Site"/>
95
                     <Entry
    href="http://www.openview.hp.com"
96
    target="bookmarkwin" title="HP OpenView Site"/>
97
98
                  </Bookmarks>
99
               </ModuleInstance>
100
           </Column>
                                                           VIEW WINDOZD
101
           <Column width="wide">
                                                           ATTRIBUTES
102
               <ModuleInstance
                                                              1004
103
    classid="com.hp.ov.portal.modules.topomap"
    display="yes" id="Topology" rollupState="down">
104
                                                           PORTAL HADUIC
105
                  <TopologyMap drillDown="no"
                                                            REFERENCE
106
    showStatus="ves">
                                                              10066
107
                     <Submap
    href="ovw://hpcndta/default/Internet"/>
108
109
                  </TopologyMap>
110
               </ModuleInstance>
```

PORTAL VIEW PROFILE

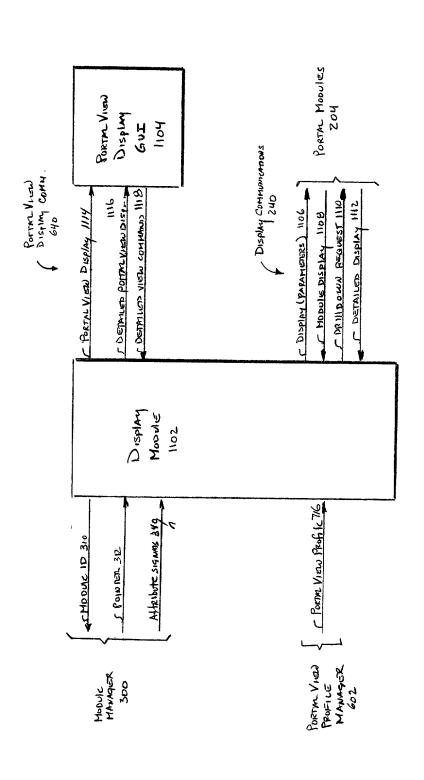
```
111
               <ModuleInstance</pre>
                                                            MODULE REF.
112
    classid="com.hp.ov.portal.modules.alarms"
                                                             1006 D
    display="yes" id="Alarm" rollupState="down">
113
114
                  <AlarmDisplay>
115
                     <CategoryDefName
116.
    href="ErrorAlarms.xml"/>
                     <CategoryDefName
117
118
    href="ThresholdAlarms.xml"/>
119
                     <CategoryDefName
120
    href="StatusAlarms.xml"/>
121
                     <CategoryDefName
122
    href="ConfigurationAlarms.xml"/>
123
                     <CategoryDefName
    href="ApplicationAlertAlarms.xml"/>
124
125
                     <CategoryDefName
126
    href="AllAlarms.xml"/>
127
                  </AlarmDisplay>
128
               </ModuleInstance>
129
           </Column>
                                                           VIEW WINDOW
130
        </Sheet>
                                                            ATTRIBUTES
                                                              1004
131
        <Sheet id="ServicesSheet" title="Services">
132
           <Column width="narrow">
               <ModuleInstance
133
                                                           PORM MODULE
134
     classid="com.hp.ov.portal.modules.service.SvcCa1
                                                           REFERENCE
135
    rdServlet" display="yes"
                                                              1006E
136
    help="/OvSipDocs/C/help/VPNavigator/cardView.ht
    ml" id="module10" rollupState="down"
137
138
    title="Service Cards">
139
                  <ServiceCard details="no"</pre>
140
     server=""/>
141
               </ModuleInstance>
```

PORTM VIEW PROFILE

```
142
              <ModuleInstance
143
    classid="com.hp.ov.portal.modules.service.SvcHe
                                                              PORTAL MODULE
                                                              REFERENCE
144
    althServlet" display="yes"
                                                               1006F
    help="/OvSipDocs/C/help/VPNavigator/healthView.
145
146
    html" id="module11" rollupState="down"
147
    title="Service Health">
148
                  <ServiceHealth details="no"</pre>
149
    server="">
150
                     <ServiceSummary critical="no"</pre>
    id="normal" inverse="no" major="no" minor="no"
151
152
    normal="yes" recursive="yes" scoreName="Normal"
153
    title="Normal Services" warning="no"/>
154
                     <ServiceSummary critical="yes"</pre>
    id="critical" inverse="yes" major="no"
155 l
156
    minor="no" normal="no" recursive="yes"
157
    scoreName="Critical" title="Critical Services"
    warning="no"/>
158
159
                     <ServiceSummary critical="yes"</pre>
160
    id="abnormal" inverse="yes" major="yes"
    minor="yes" normal="no" recursive="yes"
161
162
     scoreName="Abnormal" title="Abnormal Services"
163
    warning="yes"/>
164
                  </ServiceHealth>
165
              </ModuleInstance>
           </Column>
166
                                                              VIEW WILDOW
167
                                                              Attributes
           <Column width="wide">
                                                                1004
              <ModuleInstance
168
169
    classid="com.hp.ov.portal.modules.service.SvcLi
170
    stServlet" display="yes"
171
    help="/OvSipDocs/C/help/VPNavigator/browserView
                                                              POEML MODULE
                                                               10066
172
     .html" id="module7" rollupState="down"
173
    title="Service Browser">
174
                  <ServiceBrowser details="no"</pre>
175
    server=""/>
176
              </ModuleInstance>
```

PORTM VIEW PROFILE

```
177
               <ModuleInstance
178 | classid="com.hp.ov.portal.modules.service.SvcGr
179 | aphServlet" display="yes"
                                                            - PORTAL HOOULE
    help="/OvSipDocs/C/help/VPNavigator/graphView.h
                                                              REFEIZENCE
    tml" id="module8" rollupState="down"
181
                                                               100611
    title="Service Graph">
182
183
                  <ServiceGraph server=""/>
184
               </ModuleInstance>
185 1
           </Column>
                                                              VIEW WINDOW
186
        </Sheet>
                                                             Affermies
187
    </PortalView>
                                                               1004
```



PORTAL VIEW DISPLAY
MANAGER 604

FIGURE 11



, ,

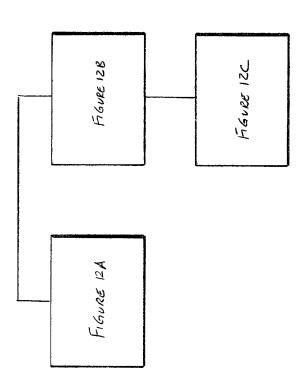
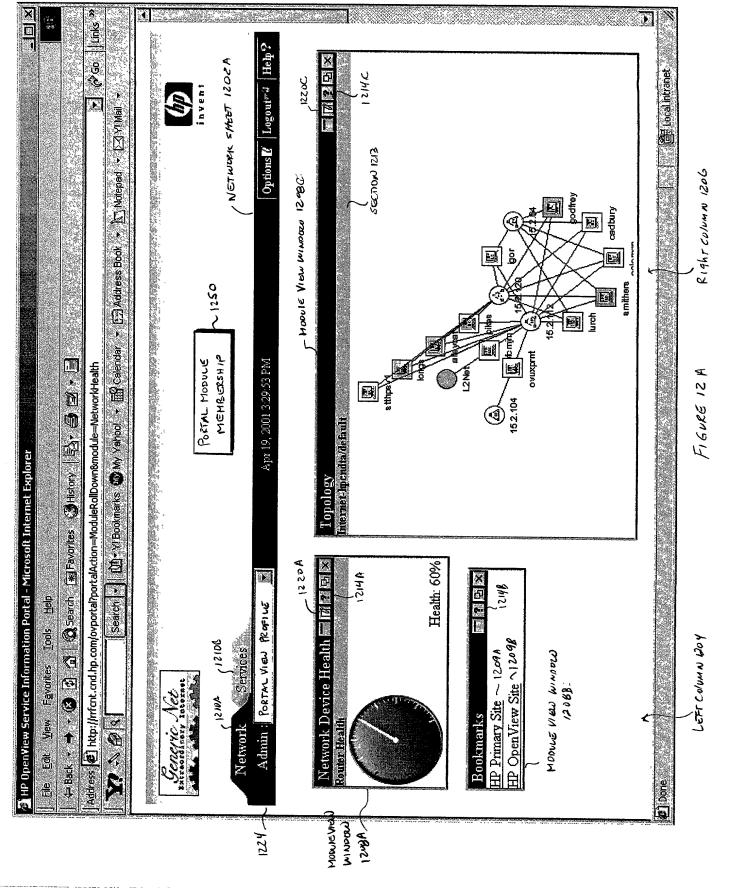
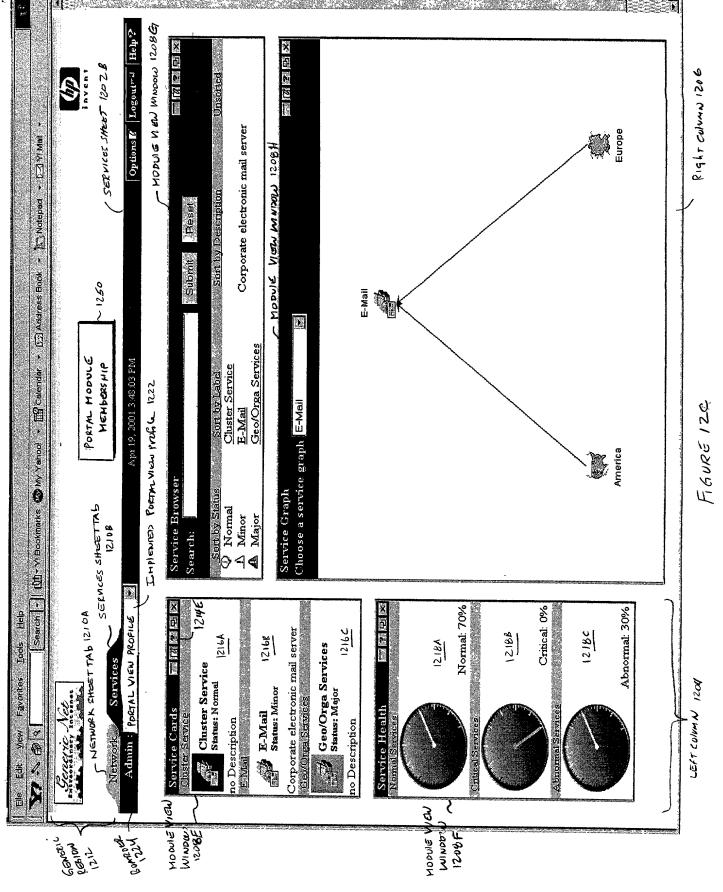
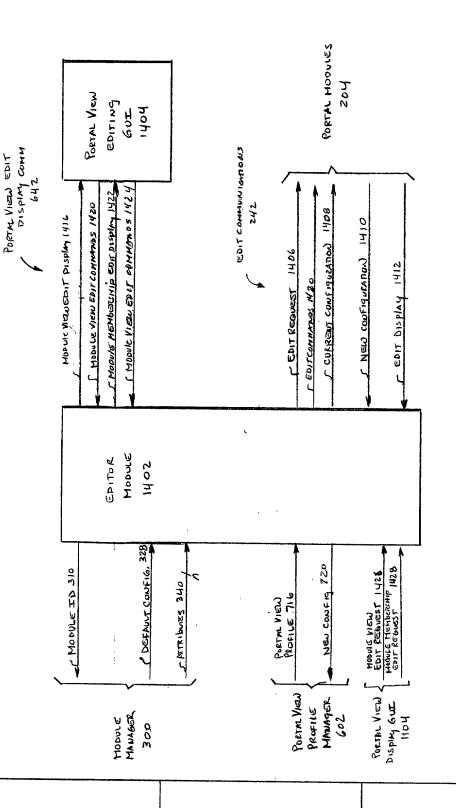


FIGURE 12



	Links 🌣		1											
	ි මැති <u> </u>	sis Book 🔭 🛣 Notepad 🗠 🖂 Yi Mail 🖟	三面作品。	Agent in distress: spinning in ifTable. Aborting request! Consider unmanaging node.	Agent in distress: spinning in ifTable. Aborting request! Consider unmanaging node.	pmd lost contact with ovalarmsrv: pid 6586 ungracefully disconnected from pmd with 0 pending events: Error on socket #42 src:ovalarmsrv pid:6586: Lost connection with pmd/ovEvent process (application disconnected)			Network Node Manager license expires on Mon 08 Oct 2001 03:39:27 PM MDT	Network Node Manager license expires on Mon 08 Oct 2001 03:39:27 PM MDT	Network Node Manager license expires on Mon 08 Oct 2001 03:39:27 PM MDT			『四十つcal intranet 『中にcolunn) 1206
	n&module=NetworkHealth	💌 Little Y) Bookmarks 🐿 My Yahoo! 💌 個 Calendar 🖛 但到 Address Book 🥆	,	i 19, k AM	April 16, krazy.cnd.hp.com :49 AM	Wednesday, April 18, hpcndta.cnd.hp.com 2001 6:37:19 PM MDT	y 3 alarm able	Configuration Alarms Datarms Data currently unavailable Application Alert Alarms 17 Alarms	hpendta.end.hp.com	hpendta end.hp.com	hpendta.end.hp.com	Configured to display 3 alarms, 3 received. All Alarms 0 Alarms Data currently unavailable		
res Iooks Help	Adress (聲] http://rrfcnt.cnd.hp.com/ovportal?portalAction=ModuleRollDown&module=NetworkHealth	Search 💌 🕅 🐠 Yl Bookmarks: 🛕	Module Vieluminge Warms 1208D Error Alarms	Thursday, April 19 2001 9:23:09 AM MDT	Monday, April 16, 2001 1:59:49 AM MDT	Wednesday, April 2001 6:37:19 PM MDT	Configured to displa Threshold Alarms Status Alarms Data currently unavail	Comguest Data curra Application	Thursday, April 19, 2001 10:53:34 AM MDT	Thursday, April 19, 2001 10:53:34 AM MDT	Tuesday, April 17, 2001 10:51:39 AM MDT	Configured to All Alarms Data currently		D FIGURE 12B
Ele Edit View Favorites ←Back → → ← 🗭 🖸 r	Address 📵 http://rrfcnt.cn			SHEE! 12.02 A (CONIT)						And A Barton for the Changeston			4	LEFT COLUM.





PORTAL VISTA

* EDIT HANAGES

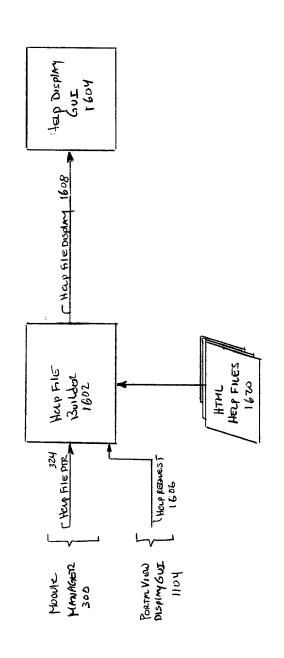
606

FIGURE 14



Figure 15

FIGURE 16



- HED DISPAY MANNEER 608

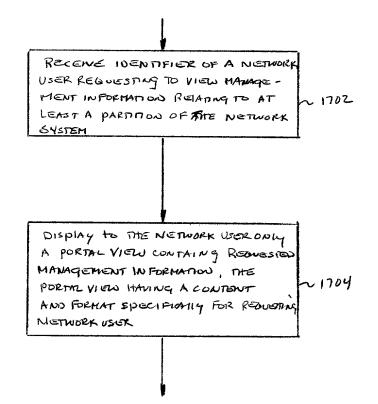


FIGURE 17

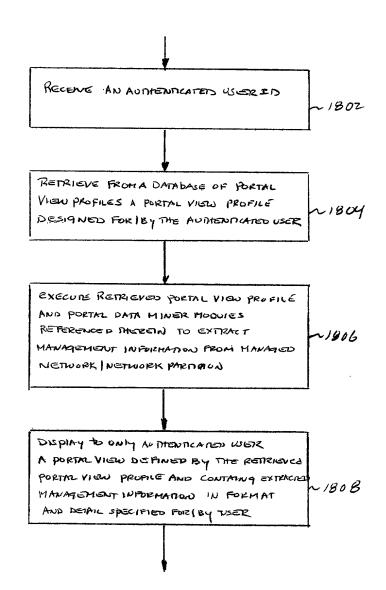


FIGURE 18

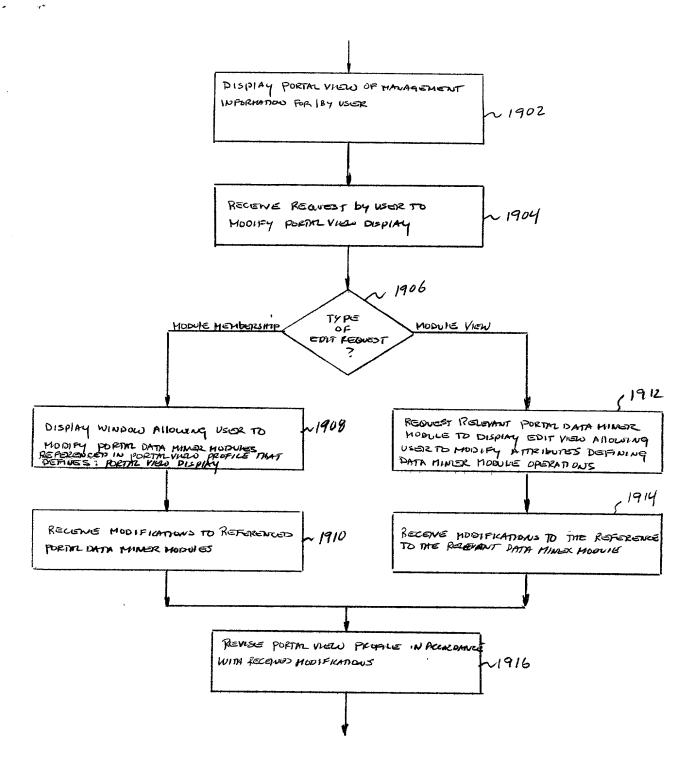


FIGURE 19